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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/074,956DATE: 06/17/2002
TIME: 12:48:48Input Set : A:\08191-022001.TXT
Output Set: N:\CRF3\06172002\J074956.raw

4 <110> APPLICANT: Hedley, Mary Lynne
 7 <120> TITLE OF INVENTION: METHODS OF TREATING BLADDER DISORDERS
 10 <130> FILE REFERENCE: 08191-022001
 12 <140> CURRENT APPLICATION NUMBER: 10/074,956
 C--> 13 <141> CURRENT FILING DATE: 2002-06-10
 15 <150> PRIOR APPLICATION NUMBER: 60/268,175
 16 <151> PRIOR FILING DATE: 2001-02-12
 18 <160> NUMBER OF SEQ ID NOS: 29
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 19
 24 <212> TYPE: DNA
 25 <213> ORGANISM: Homo sapiens
 27 <400> SEQUENCE: 1
 28 tccatgtcg tctgatgtct 19
 30 <210> SEQ ID NO: 2
 31 <211> LENGTH: 20
 32 <212> TYPE: DNA
 33 <213> ORGANISM: Homo sapiens
 35 <400> SEQUENCE: 2
 36 tccatgtcg tctgatgtct 20
 38 <210> SEQ ID NO: 3
 39 <211> LENGTH: 24
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Homo sapiens
 43 <400> SEQUENCE: 3
 44 tcgtcg ttcgtttgt cgtt 24
 46 <210> SEQ ID NO: 4
 47 <211> LENGTH: 13
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Homo sapiens
 51 <400> SEQUENCE: 4
 52 Ser Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val
 53 1 5 10
 55 <210> SEQ ID NO: 5
 56 <211> LENGTH: 3
 57 <212> TYPE: PRT
 58 <213> ORGANISM: Homo sapiens
 60 <400> SEQUENCE: 5
 61 Lys Pro Val
 62 1
 64 <210> SEQ ID NO: 6
 65 <211> LENGTH: 5

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66 <212> TYPE: PRT
67 <213> ORGANISM: Homo sapiens
69 <400> SEQUENCE: 6
70 Glu His Phe Arg Trp
71 1 5
73 <210> SEQ ID NO: 7
74 <211> LENGTH: 52
75 <212> TYPE: PRT
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 7
79 Met Pro Arg Ser Cys Cys Ser Arg Ser Gly Ala Leu Leu Leu Ala Leu
80 1 5 10 15
81 Leu Leu Gln Ala Ser Met Glu Val Arg Gly Trp Cys Leu Glu Ser Ser
82 20 25 30
83 Gln Cys Gln Asp Leu Thr Thr Glu Ser Asn Leu Leu Glu Cys Ile Arg
84 35 40 45
85 Ala Cys Lys Pro
86 50
88 <210> SEQ ID NO: 8
89 <211> LENGTH: 70
90 <212> TYPE: PRT
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Synthetically generated peptide
96 <400> SEQUENCE: 8
97 Met Pro Arg Ser Cys Cys Ser Arg Ser Gly Ala Leu Leu Leu Ala Leu
98 1 5 10 15
99 Leu Leu Gln Ala Ser Met Glu Val Arg Gly Trp Cys Leu Glu Ser Ser
100 20 25 30
101 Gln Cys Gln Asp Leu Thr Thr Glu Ser Asn Leu Leu Glu Cys Ile Arg
102 35 40 45
103 Ala Cys Lys Pro Arg Glu Gly Lys Arg Ser Tyr Ser Met Glu His Phe
104 50 55 60
105 Arg Trp Gly Lys Pro Val
106 65 70
108 <210> SEQ ID NO: 9
109 <211> LENGTH: 26
110 <212> TYPE: PRT
111 <213> ORGANISM: Homo sapiens
113 <400> SEQUENCE: 9
114 Met Pro Arg Ser Cys Cys Ser Arg Ser Gly Ala Leu Leu Leu Ala Leu
115 1 5 10 15
116 Leu Leu Gln Ala Ser Met Glu Val Arg Gly
117 20 25
119 <210> SEQ ID NO: 10
120 <211> LENGTH: 25
121 <212> TYPE: PRT
122 <213> ORGANISM: Homo sapiens
124 <400> SEQUENCE: 10

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125 Met Ala Ile Ser Gly Val Pro Val Leu Gly Phe Phe Ile Ile Ala Val
126 1 5 10 15
127 Leu Met Ser Ala Gln Glu Ser Trp Ala
128 20 25
130 <210> SEQ ID NO: 11
131 <211> LENGTH: 26
132 <212> TYPE: PRT
133 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 11
136 Trp Cys Leu Glu Ser Ser Gln Cys Gln Asp Leu Thr Thr Glu Ser Asn
137 1 5 10 15
138 Leu Leu Glu Cys Ile Arg Ala Cys Lys Pro
139 20 25
141 <210> SEQ ID NO: 12
142 <211> LENGTH: 5
143 <212> TYPE: PRT
144 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 12
147 Lys Phe Glu Arg Gln
148 1 5
150 <210> SEQ ID NO: 13
151 <211> LENGTH: 5
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
155 <400> SEQUENCE: 13
156 Gln Arg Glu Phe Lys
157 1 5
159 <210> SEQ ID NO: 14
160 <211> LENGTH: 5
161 <212> TYPE: PRT
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Linker sequence
167 <400> SEQUENCE: 14
168 Gly Gly Val Gly Gly
169 1 5
171 <210> SEQ ID NO: 15
172 <211> LENGTH: 247
173 <212> TYPE: DNA
174 <213> ORGANISM: Artificial Sequence
176 <220> FEATURE:
177 <221> NAME/KEY: CDS
178 <222> LOCATION: (23)...(232)
180 <223> OTHER INFORMATION: Synthetic construct
182 <400> SEQUENCE: 15
183 aagcttgcgc gctgcctgga ag atg ccg aga tcg tgc tgc agc cgc tcg ggg 52
184 Met Pro Arg Ser Cys Cys Ser Arg Ser Gly
185 1 5 10
187 gcc ctg ttg ctg gcc ttg ctg ctt cag gcc tcc atg gaa gtg cgt ggc 100

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188 Ala Leu Leu Leu Ala Leu Leu Gln Ala Ser Met Glu Val Arg Gly
189 15 20 25
191 tgg tgc ctg gag agc agc cag tgt cag gac ctc acc acg gaa agc aac 148
192 Trp Cys Leu Glu Ser Ser Gln Cys Gln Asp Leu Thr Thr Glu Ser Asn
193 30 35 40
195 ctg ctg gag tgc atc cgg gcc tgc aag ccc cgc gag ggc aag cgc tcc 196
196 Leu Leu Glu Cys Ile Arg Ala Cys Pro Arg Glu Gly Lys Arg Ser
197 45 50 55
199 tac tcc atg gag cac ttc cgc tgg ggc aag ccg gtg taaggatccc 242
200 Tyr Ser Met Glu His Phe Arg Trp Gly Lys Pro Val
201 60 65 70
203 tcgag 247
205 <210> SEQ ID NO: 16
206 <211> LENGTH: 10
207 <212> TYPE: PRT
208 <213> ORGANISM: Homo sapiens
210 <400> SEQUENCE: 16
211 Ser Gly Gly Gly Ser Gly Gly Gly
212 1 5 10
214 <210> SEQ ID NO: 17
215 <211> LENGTH: 11
216 <212> TYPE: PRT
217 <213> ORGANISM: Homo sapiens
219 <400> SEQUENCE: 17
220 Gly Gly Gly Ser Gly Gly Gly Ser
221 1 5 10
223 <210> SEQ ID NO: 18
224 <211> LENGTH: 20
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 18
229 Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
230 1 5 10 15
231 Gly Gly Gly Gly
232 20
234 <210> SEQ ID NO: 19
235 <211> LENGTH: 17
236 <212> TYPE: PRT
237 <213> ORGANISM: Homo sapiens
239 <400> SEQUENCE: 19
240 Ser Ser Ser Ser Gly Ser Ser Ser Ser Gly Ser Ser Ser Ser Gly Ser
241 1 5 10 15
242 Pro
245 <210> SEQ ID NO: 20
246 <211> LENGTH: 18
247 <212> TYPE: PRT
248 <213> ORGANISM: Mus musculus
250 <400> SEQUENCE: 20
251 Met Lys Trp Val Thr Phe Leu Leu Leu Phe Val Ser Gly Ser Ala

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252	1	5	10	15
253	Phe Ser			
256	<210> SEQ ID NO: 21			
257	<211> LENGTH: 18			
258	<212> TYPE: PRT			
259	<213> ORGANISM: Homo sapiens			
261	<400> SEQUENCE: 21			
262	Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala			
263	1	5	10	15
264	Tyr Ser			
267	<210> SEQ ID NO: 22			
268	<211> LENGTH: 6			
269	<212> TYPE: PRT			
270	<213> ORGANISM: Homo sapiens			
272	<400> SEQUENCE: 22			
273	Arg Gly Val Phe Arg Arg			
274	1	5		
276	<210> SEQ ID NO: 23			
277	<211> LENGTH: 195			
278	<212> TYPE: PRT			
279	<213> ORGANISM: Mus musculus			
281	<400> SEQUENCE: 23			
282	Glu Ala His Lys Ser Glu Ile Ala His Arg Tyr Asn Asp Leu Gly Glu			
283	1	5	10	15
284	Gln His Phe Lys Gly Leu Val Leu Ile Ala Phe Ser Gln Tyr Leu Gln			
285	20	25	30	
286	Lys Cys Ser Tyr Asp Glu His Ala Lys Leu Val Gln Glu Val Thr Asp			
287	35	40	45	
288	Phe Ala Lys Thr Cys Val Ala Asp Glu Ser Ala Ala Asn Cys Asp Lys			
289	50	55	60	
290	Ser Leu His Thr Leu Phe Gly Asp Lys Leu Cys Ala Ile Pro Asn Leu			
291	65	70	75	80
292	Arg Glu Asn Tyr Gly Glu Leu Ala Asp Cys Cys Thr Lys Gln Glu Pro			
293	85	90	95	
294	Glu Arg Asn Glu Cys Phe Leu Gln His Lys Asp Asp Asn Pro Ser Leu			
295	100	105	110	
296	Pro Pro Phe Glu Arg Pro Glu Ala Glu Ala Met Cys Thr Ser Phe Lys			
297	115	120	125	
298	Glu Asn Pro Thr Thr Phe Met Gly His Tyr Leu His Glu Val Ala Arg			
299	130	135	140	
300	Arg His Pro Tyr Phe Tyr Ala Pro Glu Leu Leu Tyr Tyr Ala Glu Gln			
301	145	150	155	160
302	Tyr Asn Glu Ile Leu Thr Gln Cys Cys Ala Glu Ala Asp Lys Glu Ser			
303	165	170	175	
304	Cys Leu Thr Pro Lys Leu Asp Gly Val Lys Glu Lys Ala Leu Val Ser			
305	180	185	190	
306	Ser Val Arg			
307	195			
309	<210> SEQ ID NO: 24			

VERIFICATION SUMMARY
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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date